

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122120\
 Data File : VN065183.D
 Acq On : 21 Dec 2020 16:19
 Operator : JC/MD
 Sample : L5153-02 5X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 22 05:37:45 2020
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N122120W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Dec 21 13:17:58 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

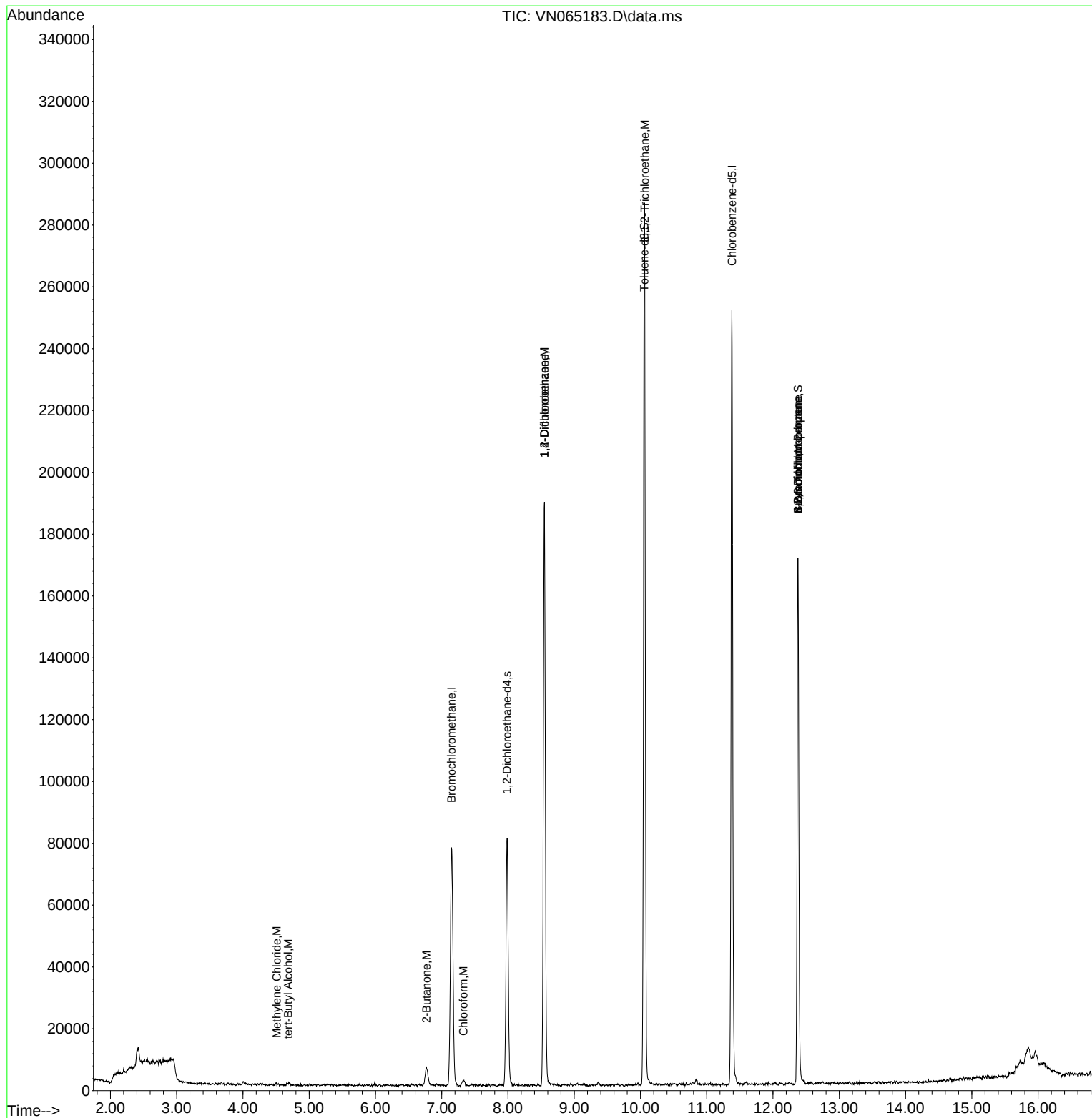
Internal Standards						
1) Bromochloromethane	7.148	128	31644	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.550	114	173027	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.380	117	146856	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.988	65	70594	30.75	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	102.50%	
60) 4-Bromofluorobenzene	12.376	95	61651	26.39	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	87.97%	
63) Toluene-d8	10.058	98	203589	31.26	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	104.20%	
Target Compounds						
						Qvalue
18) Methylene Chloride	4.512	84	566	0.29	ug/l #	50
23) tert-Butyl Alcohol	4.682	59	157	0.45	ug/l #	100
25) Chloroform	7.328	83	2056	0.59	ug/l	94
30) 2-Butanone	6.769	43	337	0.29	ug/l #	59
36) 1,2-Dichloroethane	8.550	62	5269	1.89	ug/l #	80
50) 1,1,2-Trichloroethane	10.065	97	6899	3.70	ug/l #	1
56) Bromoform	12.376	173	357	0.21	ug/l #	1
72) 1,2,3-Trichloropropane	12.376	75	31680	13.55	ug/l	1
77) t-1,4-Dichloro-2-butene	12.376	75	31680	34.50	ug/l #	9

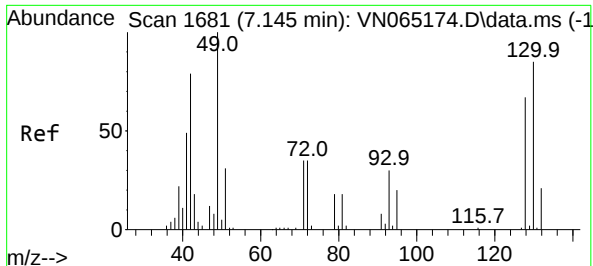
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Dec 22 05:37:45 2020
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N122120W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Dec 21 13:17:58 2020
Response via : Initial Calibration

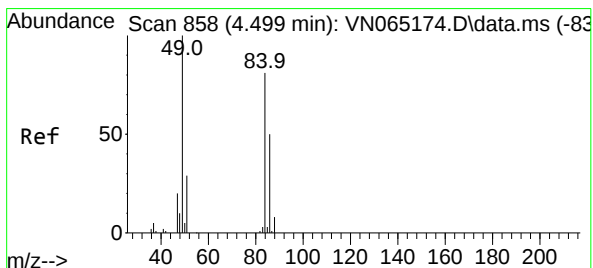
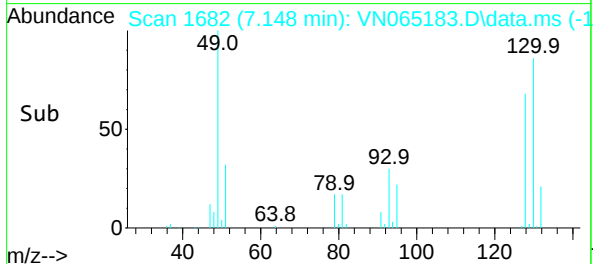
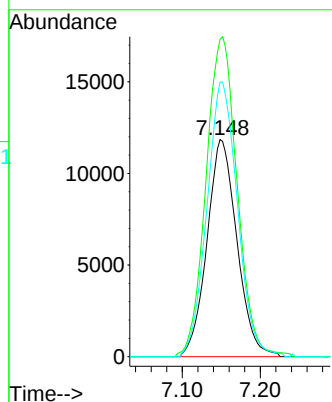
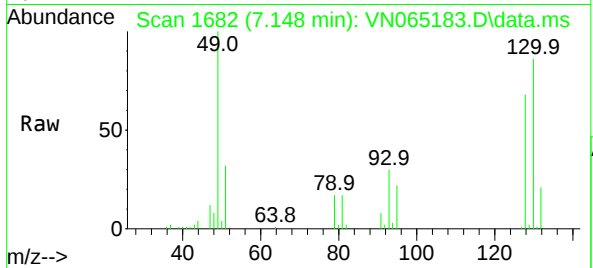




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.148 min Scan# 1682
Delta R.T. 0.003 min
Lab File: VN065183.D
Acq: 21 Dec 2020 16:19

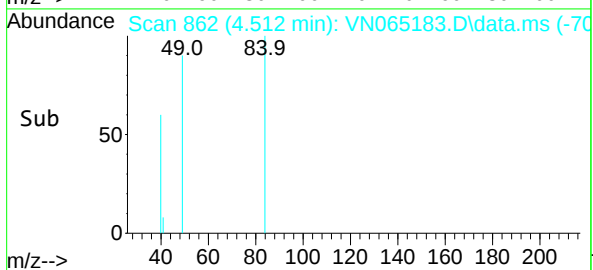
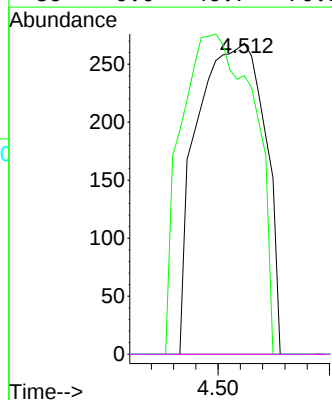
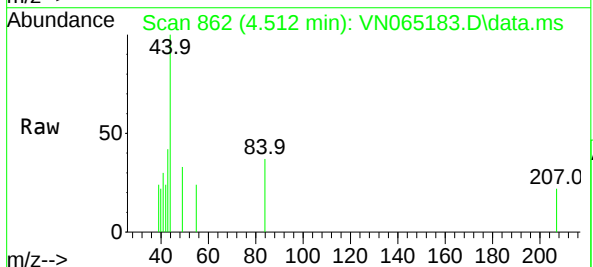
Instrument :
MSVOA_N
ClientSampled :

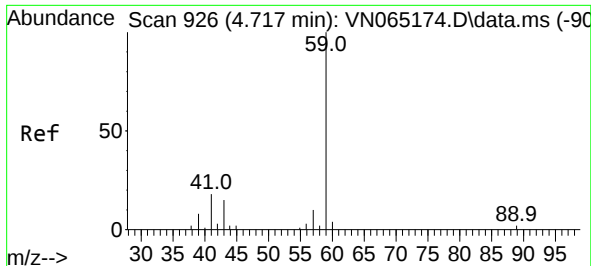
Tgt Ion:128 Resp: 31644
Ion Ratio Lower Upper
128 100
49 153.1 0.0 475.5
130 129.2 0.0 315.3



#18
Methylene Chloride
Concen: 0.29 ug/l
RT: 4.512 min Scan# 862
Delta R.T. 0.013 min
Lab File: VN065183.D
Acq: 21 Dec 2020 16:19

Tgt Ion: 84 Resp: 566
Ion Ratio Lower Upper
84 100
49 89.6 102.1 153.1#
51 0.0 32.6 48.8#
86 0.0 46.7 70.1#





#23

tert-Butyl Alcohol

Concen: 0.45 ug/l

RT: 4.682 min Scan# 915

Delta R.T. -0.035 min

Lab File: VN065183.D

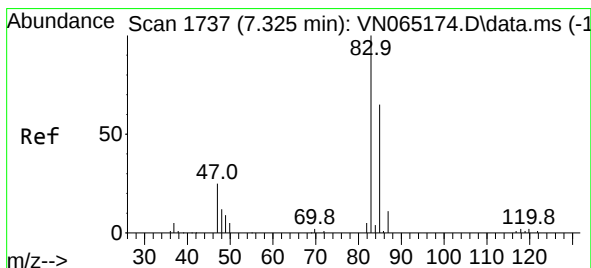
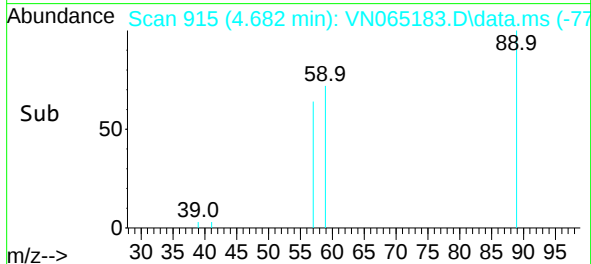
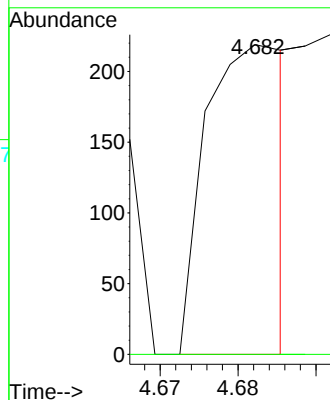
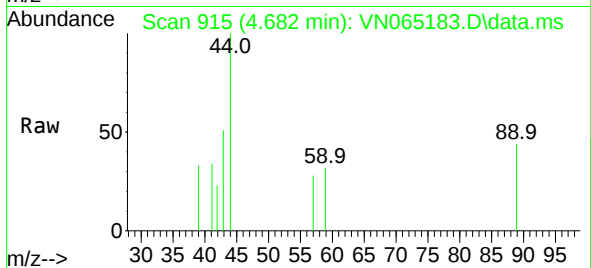
Acq: 21 Dec 2020 16:19

Tgt Ion: 59 Resp: 157

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0



#25

Chloroform

Concen: 0.59 ug/l

RT: 7.328 min Scan# 1738

Delta R.T. 0.003 min

Lab File: VN065183.D

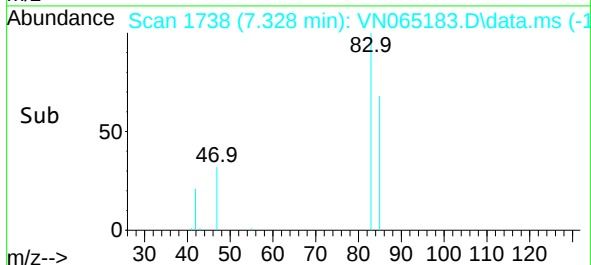
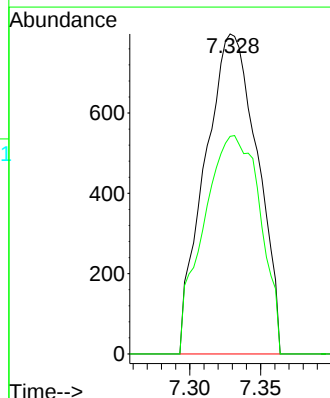
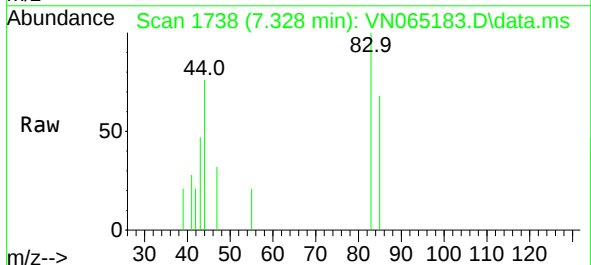
Acq: 21 Dec 2020 16:19

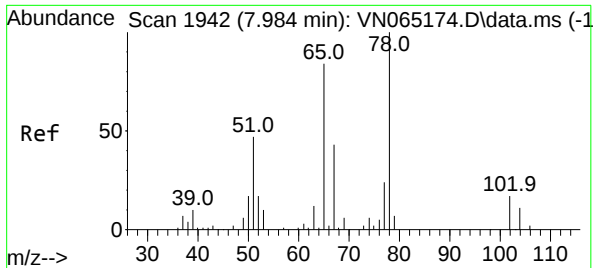
Tgt Ion: 83 Resp: 2056

Ion Ratio Lower Upper

83 100

85 68.0 50.6 75.8



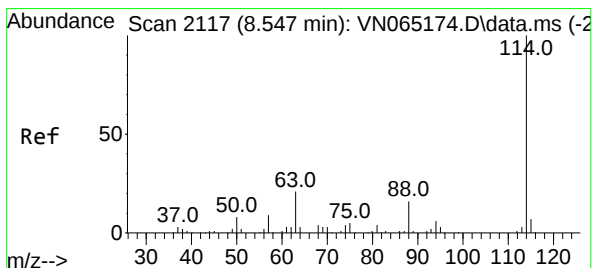
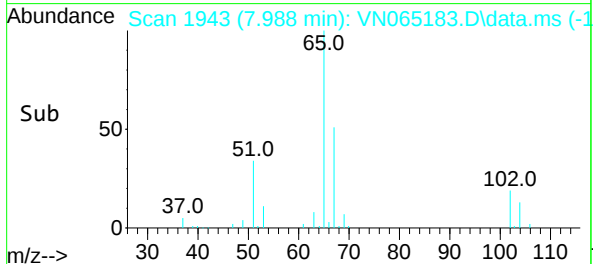
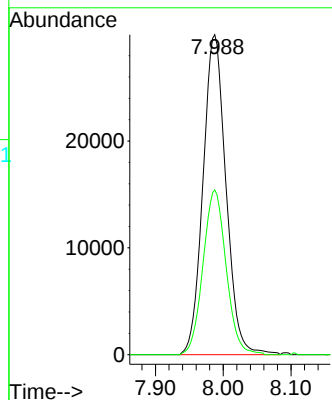
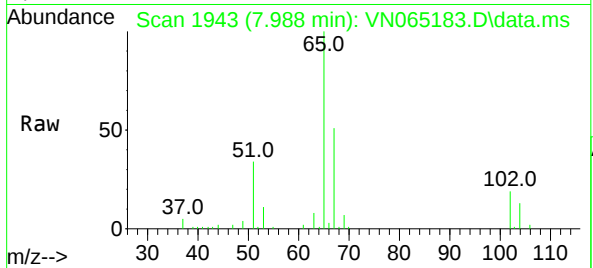


#27

1,2-Dichloroethane-d4
Concen: 30.75 ug/l
RT: 7.988 min Scan# 1943
Delta R.T. 0.003 min
Lab File: VN065183.D
Acq: 21 Dec 2020 16:19

Instrument :
MSVOA_N
ClientSampled :

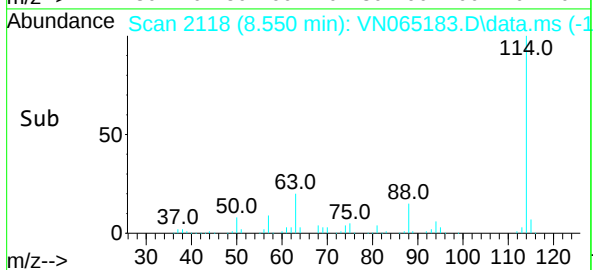
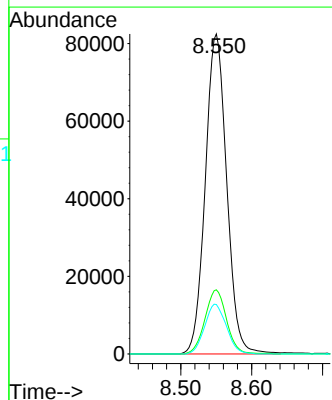
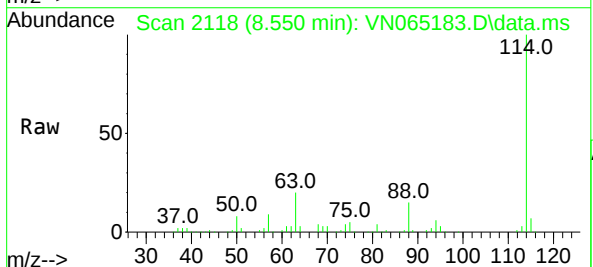
Tgt Ion: 65 Resp: 70594
Ion Ratio Lower Upper
65 100
67 51.8 41.1 61.7

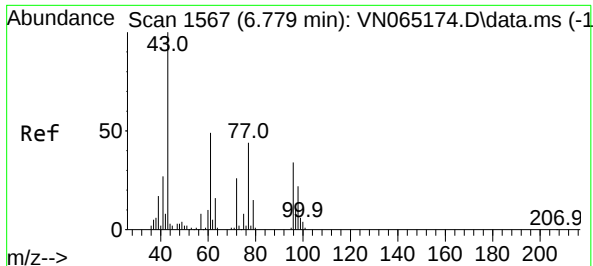


#28

1,4-Difluorobenzene
Concen: 30.00 ug/l
RT: 8.550 min Scan# 2118
Delta R.T. 0.003 min
Lab File: VN065183.D
Acq: 21 Dec 2020 16:19

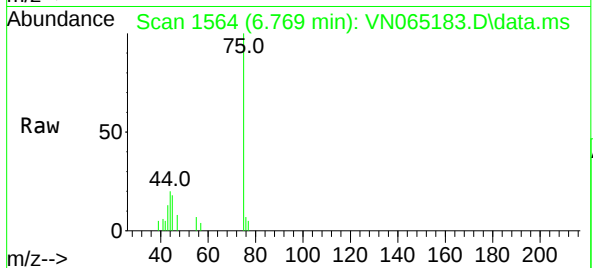
Tgt Ion: 114 Resp: 173027
Ion Ratio Lower Upper
114 100
63 20.2 18.5 27.7
88 15.8 13.0 19.6



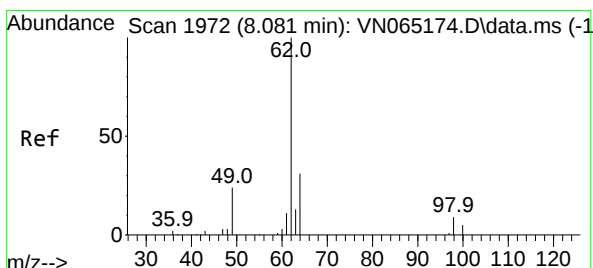
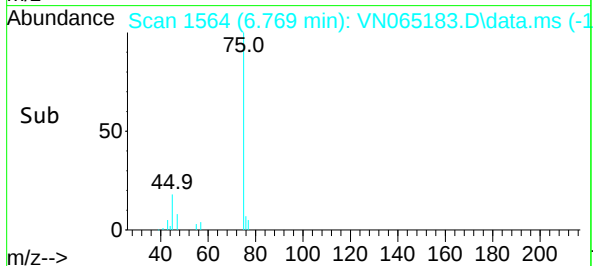
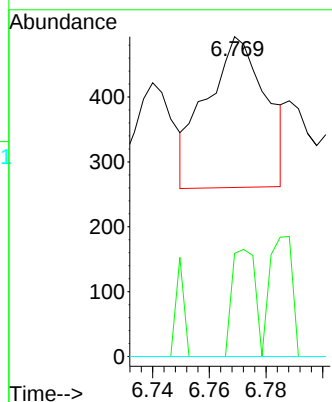


#30
2-Butanone
Concen: 0.29 ug/l
RT: 6.769 min Scan# 1564
Delta R.T. -0.010 min
Lab File: VN065183.D
Acq: 21 Dec 2020 16:19

Instrument :
MSVOA_N
ClientSampled :

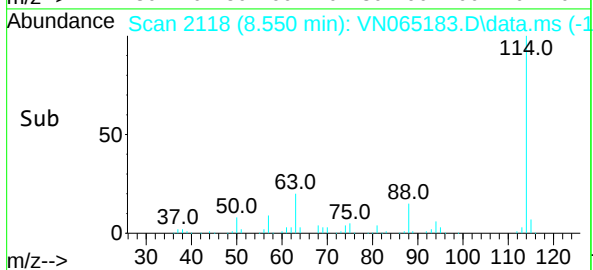
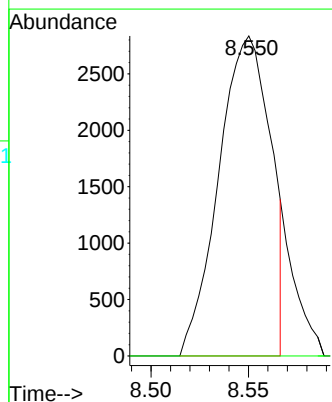
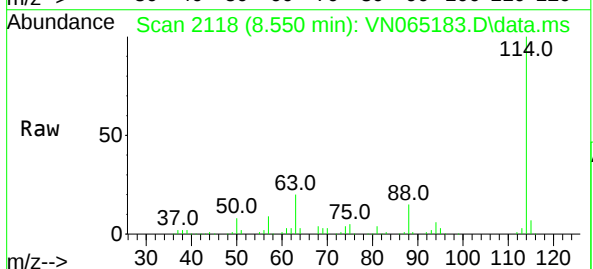


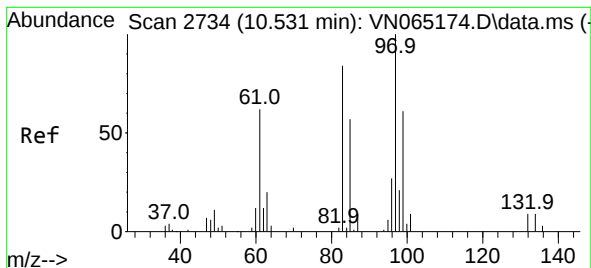
Tgt Ion: 43 Resp: 337
Ion Ratio Lower Upper
43 100
57 27.6 6.2 9.4#
72 0.0 9.9 14.9#



#36
1,2-Dichloroethane
Concen: 1.89 ug/l
RT: 8.550 min Scan# 2118
Delta R.T. 0.470 min
Lab File: VN065183.D
Acq: 21 Dec 2020 16:19

Tgt Ion: 62 Resp: 5269
Ion Ratio Lower Upper
62 100
98 0.0 5.5 8.3#

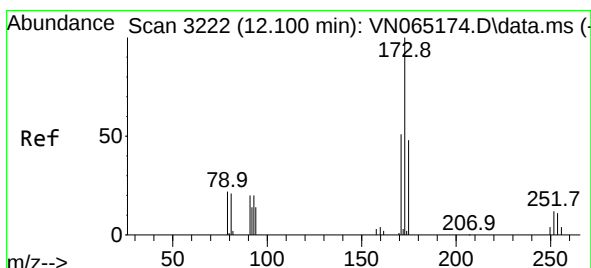
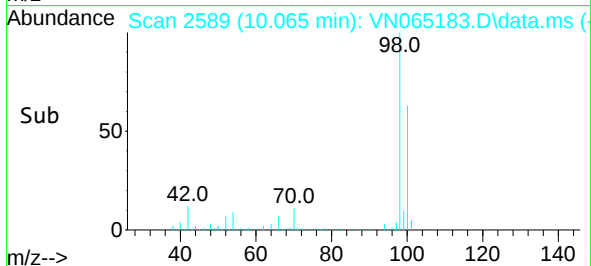
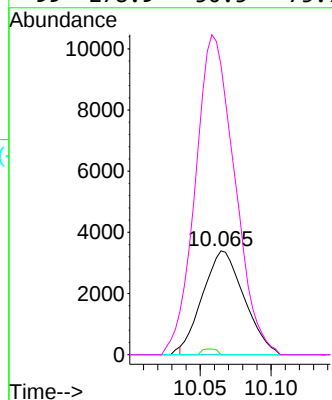
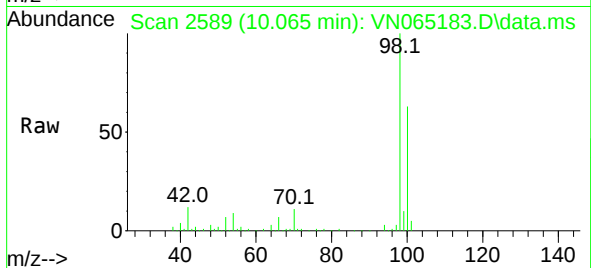




#50
1,1,2-Trichloroethane
Concen: 3.70 ug/l
RT: 10.065 min Scan# 2589
Delta R.T. -0.466 min
Lab File: VN065183.D
Acq: 21 Dec 2020 16:19

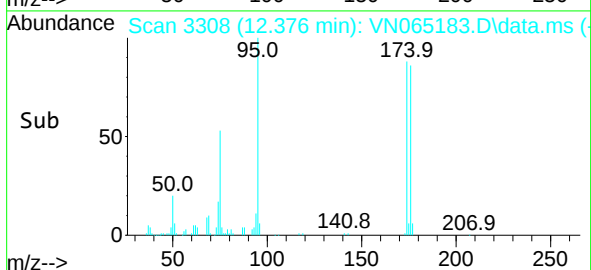
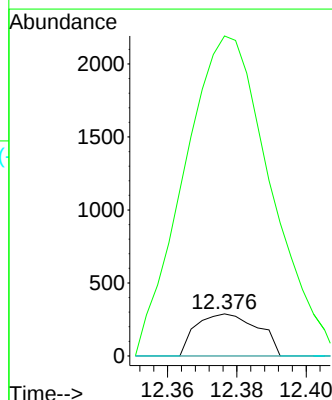
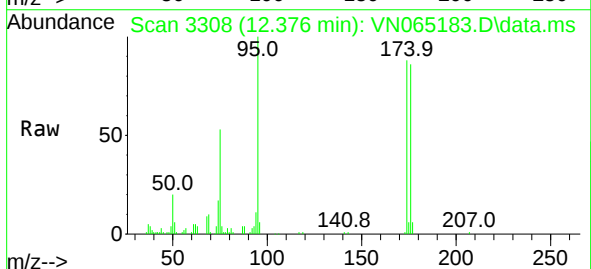
Instrument :
MSVOA_N
ClientSampleId :

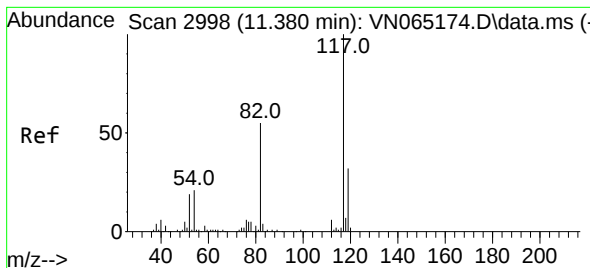
Tgt Ion: 97 Resp: 6899
Ion Ratio Lower Upper
97 100
83 0.0 74.2 111.4#
85 0.0 44.8 67.2#
99 278.9 50.5 75.7#



#56
Bromoform
Concen: 0.21 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.277 min
Lab File: VN065183.D
Acq: 21 Dec 2020 16:19

Tgt Ion:173 Resp: 357
Ion Ratio Lower Upper
173 100
175 1061.6 37.1 55.7#
254 0.0 5.4 8.2#

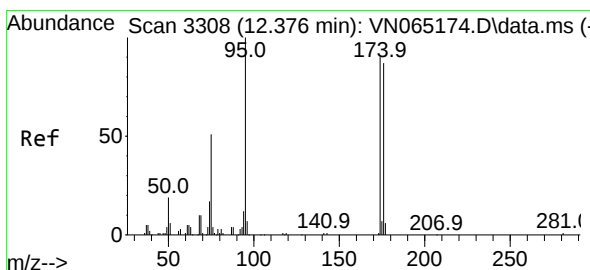
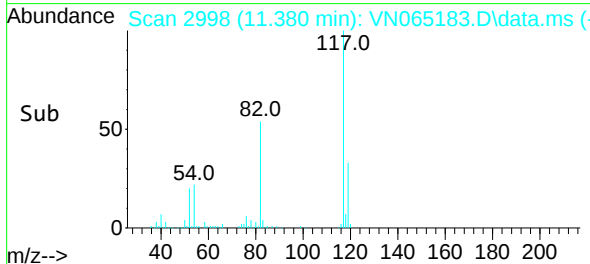
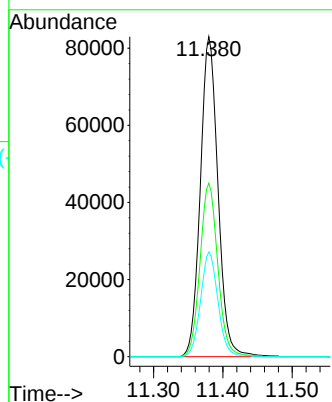
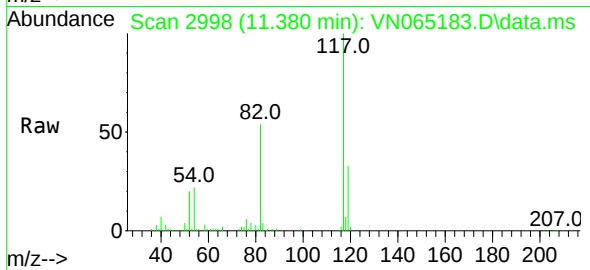




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.380 min Scan# 2998
Delta R.T. 0.000 min
Lab File: VN065183.D
Acq: 21 Dec 2020 16:19

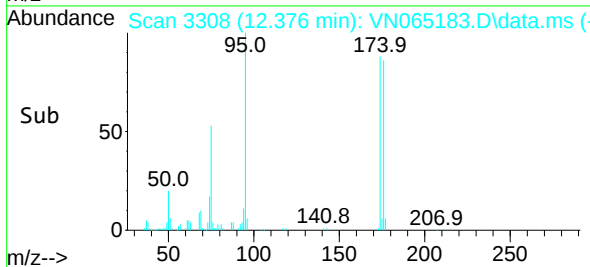
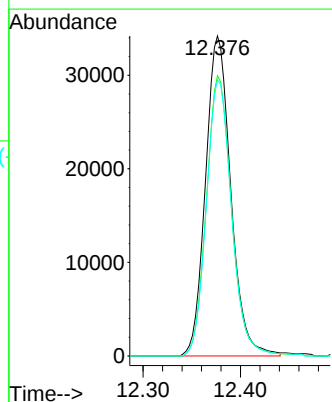
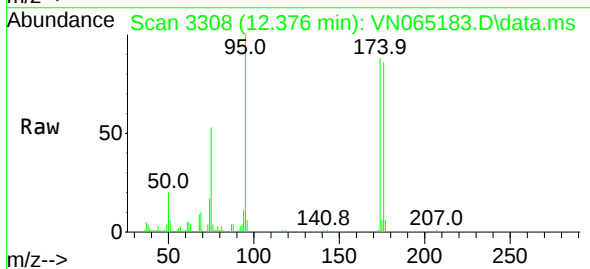
Instrument :
MSVOA_N
ClientSampled :

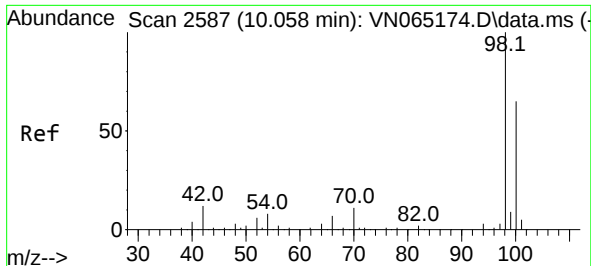
Tgt Ion:117 Resp: 146856
Ion Ratio Lower Upper
117 100
82 54.8 47.8 71.8
119 32.0 25.7 38.5



#60
4-Bromofluorobenzene
Concen: 26.39 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.000 min
Lab File: VN065183.D
Acq: 21 Dec 2020 16:19

Tgt Ion: 95 Resp: 61651
Ion Ratio Lower Upper
95 100
174 87.4 56.4 84.6#
176 86.0 53.3 79.9#

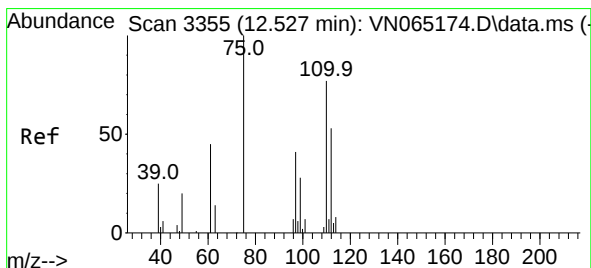
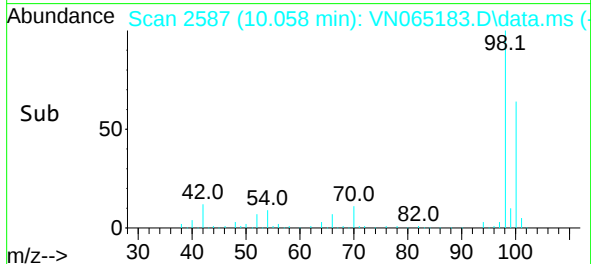
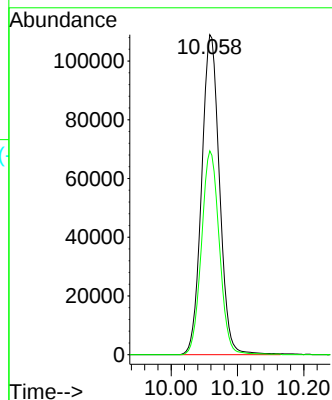
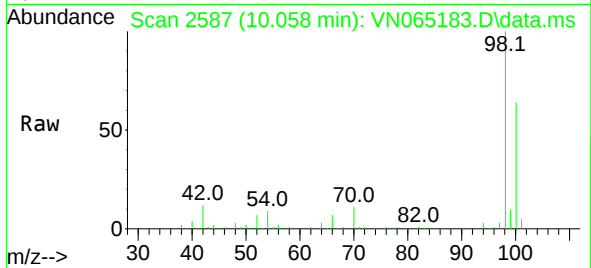




#63
Toluene-d8
Concen: 31.26 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. 0.000 min
Lab File: VN065183.D
Acq: 21 Dec 2020 16:19

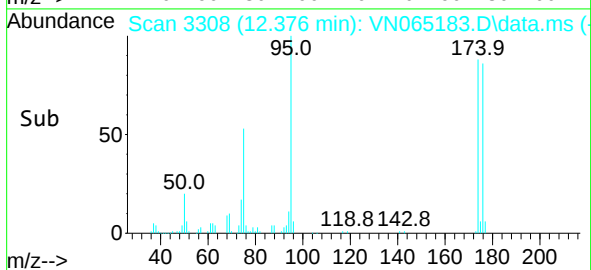
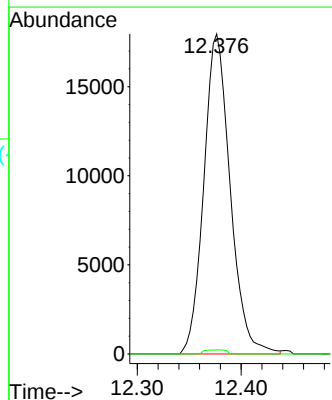
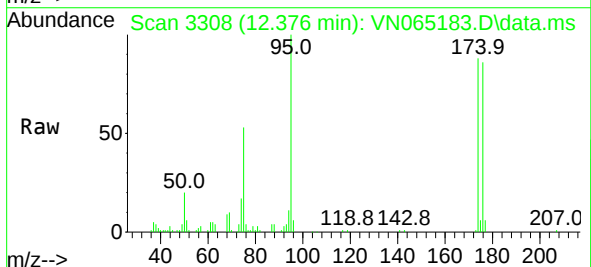
Instrument :
MSVOA_N
ClientSampled :

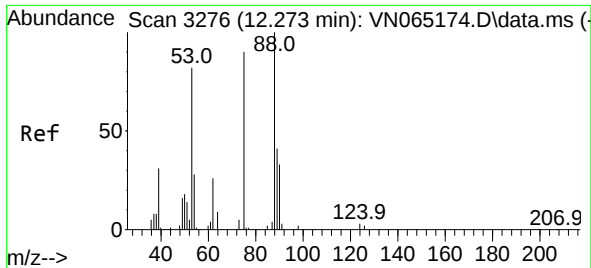
Tgt Ion: 98 Resp: 203589
Ion Ratio Lower Upper
98 100
100 63.5 49.4 74.2



#72
1,2,3-Trichloropropane
Concen: 13.55 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. -0.151 min
Lab File: VN065183.D
Acq: 21 Dec 2020 16:19

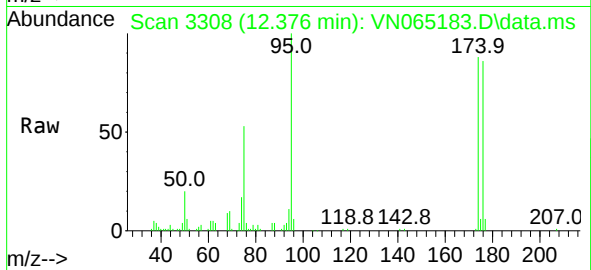
Tgt Ion: 75 Resp: 31680
Ion Ratio Lower Upper
75 100
77 1.0 0.0 379.4





#77
 t-1,4-Dichloro-2-butene
 Concen: 34.50 ug/l
 RT: 12.376 min Scan# 3308
 Delta R.T. 0.103 min
 Lab File: VN065183.D
 Acq: 21 Dec 2020 16:19

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	75	Resp:	31680
Ion	Ratio	Lower	Upper
75	100		
53	0.0	50.3	150.9#
89	0.0	23.3	69.8#

